

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Nebraska		
NERC Region(s)		WECC/MAPP
Primary Energy Source		Coal
Net Summer Capability (megawatts)	6,685	36
Electric Utilities	6,667	29
Independent Power Producers & Combined Heat and Power	17	51
Net Generation (megawatthours)	30,455,984	39
Electric Utilities	30,367,879	33
Independent Power Producers & Combined Heat and Power	88,105	49
Emissions (thousand metric tons)		
Sulfur Dioxide	63	32
Nitrogen Oxide	46	33
Carbon Dioxide	21,376	36
Sulfur Dioxide (lbs/MWh)	4.6	25
Nitrogen Oxide (lbs/MWh)	3.3	18
Carbon Dioxide (lbs/MWh)	1,547	20
Total Retail Sales (megawatthours)	25,856,566	36
Full Service Provider Sales (megawatthours)	25,856,566	36
Direct Use (megawatthours)	72,037	46
Average Retail Price (cents/kWh)	5.64	43

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Nebraska			
1. Gerald Gentleman	Gas, Coal	Nebraska Public Power District	1,365
2. Cooper	Nuclear	Nebraska Public Power District	757
3. North Omaha	Gas, Coal	Omaha Public Power District	663
4. Nebraska City	Petroleum, Coal	Omaha Public Power District	646
5. Fort Calhoun	Nuclear	Omaha Public Power District	476
6. Cass County	Gas	Omaha Public Power District	320
7. Sarpy County	Petroleum, Gas	Omaha Public Power District	314
8. Rokeby	Petroleum, Gas	Lincoln Electric System	265
9. Sheldon	Gas, Coal	Nebraska Public Power District	225
10. C W Burdick	Petroleum, Gas	Grand Island City of	175

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)**

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Nebraska						
1. Omaha Public Power District	Public	9,049,537	3,106,036	3,363,801	2,579,700	0
2. Nebraska Public Power District	Public	2,950,002	762,258	1,002,678	1,185,066	0
3. Lincoln Electric System	Public	2,927,246	1,035,802	1,356,790	534,654	0
4. Loup River Public Power Dist.	Public	994,731	215,800	186,444	592,487	0
5. Southern Public Power District	Public	818,292	224,065	29,254	564,973	0
Total Sales, Top Five Providers		16,739,808	5,343,961	5,938,967	5,456,880	0
Percent of Total State Sales		65	60	69	65	0

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Nebraska							
Electric Utilities.....	5,519	5,811	6,667	2.1	99.9	99.7	99.7
Coal.....	3,112	3,169	3,196	.3	56.3	54.4	47.8
Petroleum.....	250	283	297	1.9	4.5	4.9	4.4
Natural Gas.....	11	2	322	45.5	.2	*	4.8
Dual Fired.....	725	945	1,335	7.0	13.1	16.2	20.0
Nuclear	1,254	1,245	1,233	−2	22.7	21.4	18.4
Hydroelectric	167	167	268	5.4	3.0	2.9	4.0
Other Renewables	0	0	16	NM	.0	.0	.2
Independent Power Producers and Combined							
Heat and Power	8	16	17	8.7	.1	.3	.3
Coal.....	8	7	8	.0	.1	.1	.1
Petroleum.....	0	1	1	NM	.0	*	*
Natural Gas.....	0	1	1	NM	.0	*	*
Dual Fired.....	0	4	2	NM	.0	.1	*
Other Renewables	0	3	5	NM	.0	.1	.1
Total Electric Industry.....	5,527	5,828	6,685	2.1	100.0	100.0	100.0
Coal.....	3,120	3,176	3,204	.3	56.4	54.5	47.9
Petroleum.....	250	284	298	2.0	4.5	4.9	4.5
Natural Gas.....	11	3	323	45.6	.2	.1	4.8
Dual Fired.....	725	949	1,338	7.0	13.1	16.3	20.0
Nuclear	1,254	1,245	1,233	−2	22.7	21.4	18.4
Hydroelectric	167	167	268	5.4	3.0	2.9	4.0
Other Renewables	0	4	21	NM	.0	.1	.3

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Nebraska							
Electric Utilities.....	21,945,525	28,720,209	30,367,879	3.7	99.8	99.7	99.7
Coal.....	14,002,015	18,335,965	20,907,970	4.6	63.7	63.7	68.6
Petroleum.....	18,201	41,892	47,971	11.4	.1	.1	.2
Natural Gas.....	258,764	400,008	369,409	4.0	1.2	1.4	1.2
Other Gases.....	0	0	206	NM	.0	.0	*
Nuclear.....	6,345,330	8,258,803	7,996,902	2.6	28.9	28.7	26.3
Hydroelectric.....	1,311,883	1,682,834	980,110	-3.2	6.0	5.8	3.2
Other Renewables.....	9,332	707	65,311	24.1	*	*	.2
Independent Power Producers and Combined							
Heat and Power.....	37,606	76,582	88,105	9.9	.2	.3	.3
Coal.....	37,452	44,506	46,203	2.4	.2	.2	.2
Petroleum.....	0	715	881	NM	.0	*	*
Natural Gas.....	154	14,475	11,669	61.7	*	*	*
Other Renewables.....	0	16,886	29,352	NM	.0	.1	.1
Total Electric Industry.....	21,983,131	28,796,791	30,455,984	3.7	100.0	100.0	100.0
Coal.....	14,039,467	18,380,471	20,954,173	4.5	63.9	63.8	68.8
Petroleum.....	18,201	42,607	48,852	11.6	.1	.1	.2
Natural Gas.....	258,918	414,483	381,078	4.4	1.2	1.4	1.3
Other Gases.....	0	0	206	NM	.0	.0	*
Nuclear.....	6,345,330	8,258,803	7,996,902	2.6	28.9	28.7	26.3
Hydroelectric.....	1,311,883	1,682,834	980,110	-3.2	6.0	5.8	3.2
Other Renewables.....	9,332	17,593	94,663	29.4	*	.1	.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Nebraska				
Coal (cents per million Btu).....	76.5	58.6	59.9	-2.7
Average heat value (Btu per pound).....	8,571	8,584	8,673	.1
Average sulfur Content (percent).....	.3	.3	.3	-1.9
Petroleum (cents per million Btu).....	401.8	333.3	457.2	1.4
Average heat value (Btu per gallon).....	137,641	132,552	138,041	*
Average sulfur Content (percent).....	.1	.4	.1	1.6
Natural Gas (cents per million Btu).....	205.1	242.7	563.6	11.9
Average heat value (Btu per cubic foot).....	987	989	998	.1

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Nebraska				
Sulfur Dioxide				
Coal	51	53	63	2.3
Petroleum	*	*	*	19.1
Natural Gas	—	—	—	NM
Other	—	—	—	NM
Total	51	53	63	2.3
Nitrogen Oxide				
Coal	77	44	46	-5.7
Petroleum	*	*	*	34.9
Gas	*	1	*	-4.0
Other	—	*	*	NM
Total	78	45	46	-5.6
Carbon Dioxide				
Coal	14,878	19,148	21,085	3.9
Petroleum	19	41	44	9.8
Gas	163	300	248	4.8
Geothermal	—	—	—	NM
Other	—	—	—	NM
Total	15,059	19,488	21,376	4.0

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Nebraska							
Retail Sales (thousand megawatthours)							
Residential.....	7,379	8,160	8,852	2.0	37.1	35.3	34.2
Commercial.....	5,809	6,594	8,583	4.4	29.2	28.5	33.2
Industrial.....	5,345	6,916	8,421	5.2	26.9	29.9	32.6
Other.....	1,340	1,475	NA	NM	6.7	6.4	NA
Total.....	19,873	23,145	25,857	3.0	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	465	527	608	3.0	42.6	42.9	41.7
Commercial.....	324	359	499	4.9	29.7	29.3	34.2
Industrial.....	213	249	352	5.7	19.5	20.3	24.1
Other.....	88	92	NA	NM	8.1	7.5	NA
Total.....	1,091	1,227	1,458	3.3	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	6.31	6.46	6.87	.9	NA	NA	NA
Commercial.....	5.58	5.45	5.81	.4	NA	NA	NA
Industrial.....	3.99	3.60	4.18	.5	NA	NA	NA
Other.....	6.53	6.27	NA	NM	NA	NA	NA
Total.....	5.49	5.30	5.64	.3	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Nebraska								
Number of Entities.....	NA	151	1	10	NA	NA	NA	162
Number of Retail Customers.....	NA	909,089	12	21,721	NA	NA	NA	930,822
Retail Sales (thousand megawatthours)	NA	25,062	161	633	NA	NA	NA	25,857
Percentage of Retail Sales	NA	96.93	.62	2.45	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	NA	1,408	2	48	NA	NA	NA	1,458
Percentage of Revenue.....	NA	96.56	.15	3.29	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	NA	5.62	1.36	7.59	NA	NA	NA	5.64

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '*').

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.